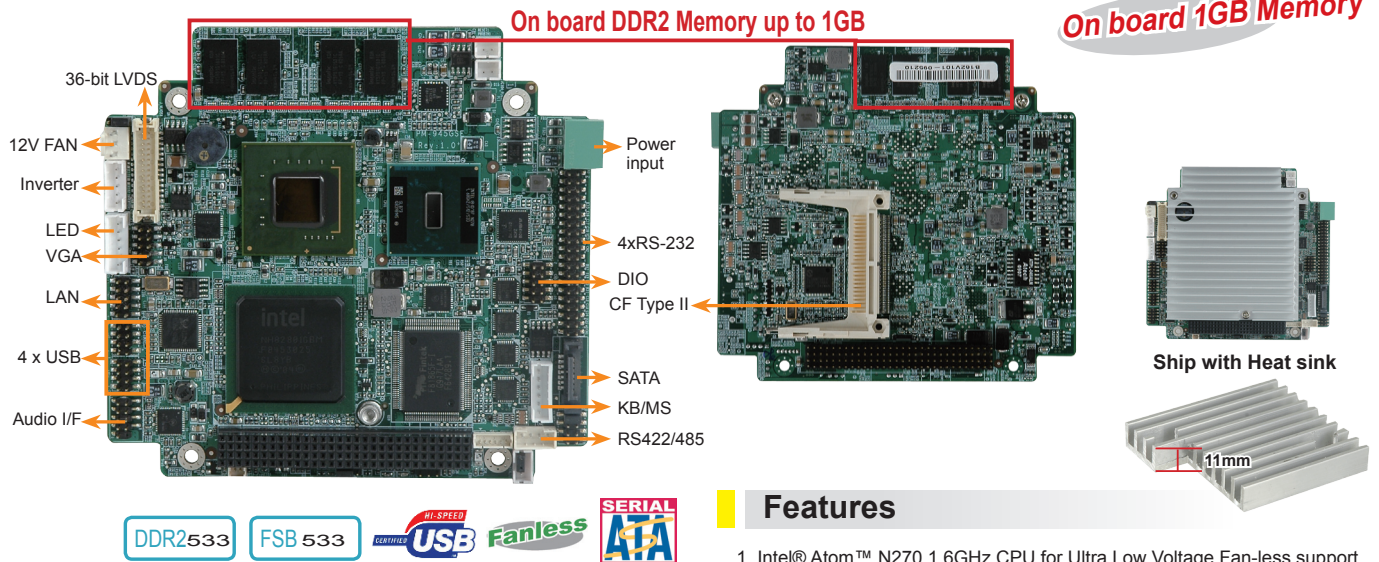


# PM-945GSE

PCI-104 SBC with Intel® Atom™ 1.6GHz CPU, VGA/  
LVDS, LAN, USB, SATA, 4COM and on Board 1GB Memory



DDR2 533

FSB 533



Fanless



## Specifications

- ◆ CPU  
Intel® Atom™ Processor N270 1.6GHz with a 533Mhz FSB
- ◆ System Chipset  
Intel® 945GSE/ICH7-M
- ◆ BIOS  
AMI BIOS
- ◆ Memory  
On board 1GB DDR2 SDRAM supported.
- ◆ Ethernet  
One PCIe 10/100Mbps Realtek 8102E chipset
- ◆ I/O interface
 

4 x USB 2.0	1 x SATA
4 x RS-232	1 x RS-422/485 (Share with COM2)
1 x PS/2 for KB/MS	1 x CF Type II
- ◆ Digital I/O  
8-bit digital I/O (4-bit input, 4-bit output)
- ◆ Expansion  
PCI-104
- ◆ Audio  
5.1 channel audio kit with Realtek ALC655 AC'97 codec  
7.1 channel HD audio kit with Realtek ALC883 codec supports dual audio streams
- ◆ Display Interface  
Intel® Graphics Media Accelerator 950  
VGA integrated in Intel® 945GSE  
18 bit dual-channel LVDS integrated in Intel® 945GSE
- ◆ Power Supply  
5V only, 12V for LCD/FAN, AT/ATX support
- ◆ Super IO  
Fintek F81865
- ◆ Watchdog Timer  
software programmable 1-255 sec. by super I/O
- ◆ Temperature  
operation: 0°C~ 60°C ( 32°F~ 140°F)
- ◆ Humidity  
operation: 5% ~95 non-condensing
- ◆ Power Consumption  
5V@2.6A (Intel® Atom™ N270 1.6GHz, 1GB DDR2)
- ◆ Dimensions  
108.59mm x 116mm (4.275" x 4.55")
- ◆ Weight  
GW: 650g / NW: 250g

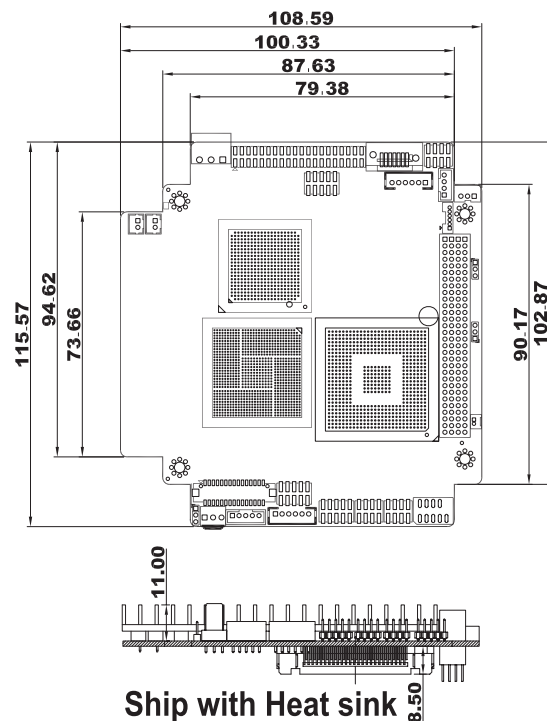
## Packing List

1 x PM-945GSE single board computer	
1 x Power cable (P/N: 32100-130300-RS)	
1 x SATA cable (P/N: 32000-062800-RS)	
1 x KB/MS cable (P/N: 32000-023800-RS)	
1x Quad RS-232 cable (P/N: 32100-147900-RS)	
1x VGA cable (P/N: 32000-033804-RS)	
1 x LAN cable (P/N: 32000-055702-RS)	
2 x Dual USB cable (P/N: 32000-070301-RS)	
1 x Mini jumper pack	
1 x CD Utility	1 x QIG

## Features

1. Intel® Atom™ N270 1.6GHz CPU for Ultra Low Voltage Fan-less support
2. Single 5V Power design, 12V for LCD/FAN
3. 18-bit dual channel LVDS + VGA support dual independent display
4. On board Memory support up to 1GB
5. Support 4x COM, 4x USB2.0, 1x SATA and CF Typell socket
6. Low Profile Heat sink design

## Dimensions(mm)



Ship with Heat sink

## Ordering Information

Part No.	Description
PM-945GSE-N270-R10	PCI-104 SBC with Intel® Atom™ 1.6GHz CPU, VGA/LVDS, LAN, USB, SATA, 4COM and on Board 1GB memory
32200-074800-RS	RS-422/485 cable
32100-088600-RS	SATA power cable
32100-052100-RS	ATX power cable
AC-KIT08R-R10	5.1 channel AC'97 Audio Kit with Realtek ALC655 codec
AC-KIT883HD-R10	7.1 channel HD Audio Kit with Realtek ALC883 codec support dual audio streams